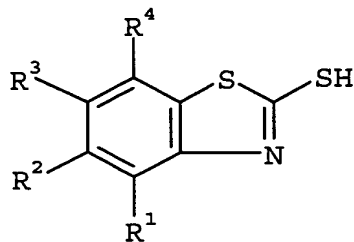


## WE CLAIM:

1. A substantially light-insensitive black and white monosheet thermographic recording material comprising a support and a thermosensitive element, said thermosensitive element containing a substantially light-insensitive organic silver salt, an organic reducing agent therefor in thermal working relationship therewith, a binder and at least one 2-mercapto-benzothiazole compound represented by formula (I):



(I)

wherein  $R^1$ ,  $R^2$ ,  $R^3$  and  $R^4$  are independently hydrogen, an optionally substituted alkyl group, an optionally substituted aryl group, an alkoxy group, an ester group, a carbamate group, a carbonato group, a  $SO_2R^5$  group, a  $-NR^6R^7$  group, a nitro group, a cyano group, an acyl group, a halogen atom, an optionally alkyl or alkoxy-substituted  $-SO_2NH$ -phenyl group, a perfluoro-alkyl group, a  $-CONHR^8$  group, a  $-NHOCR^9$  group, a  $-OCOOR^{10}$  group or a  $-NHCOOR^{11}$  group;  $R^5$ ,  $R^9$ ,  $R^{10}$  and  $R^{11}$  are independently an optionally substituted alkyl or an aryl group;  $R^6$ ,  $R^7$  and  $R^8$  are independently a hydrogen atom, an optionally substituted alkyl group or an acyl group;  $R^1$  and  $R^2$  together,  $R^2$  and  $R^3$  together and  $R^3$  and  $R^4$  together can independently represent the atoms necessary to form a carbocyclic, aromatic, heteroaromatic or heterocyclic ring with the proviso that at least one of  $R^1$ ,  $R^2$ ,  $R^3$  and  $R^4$  is not hydrogen.

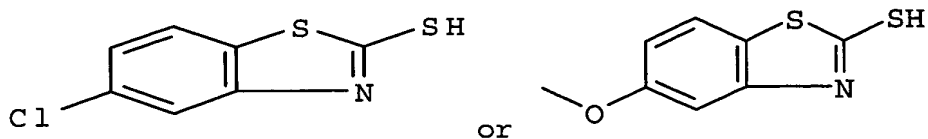
2. Substantially light-insensitive black and white monosheet thermographic recording material according to claim 1, wherein said at least one 2-mercapto-benzothiazole compound according to formula (I) is a 2-mercapto-benzothiazole compound substituted by an alkyl, an aryl, an alkoxy, a nitro, a cyano or an acyl group or a halogen atom.
3. Substantially light-insensitive black and white monosheet thermographic recording material according to claim 1, wherein at least one of said optionally substituted alkyl groups is

substituted with a group selected from the group consisting of halogen atoms, groups containing a 2-mercapto-benzothiazole moiety and alkyl, alkoxy, mercapto and hydroxy groups.

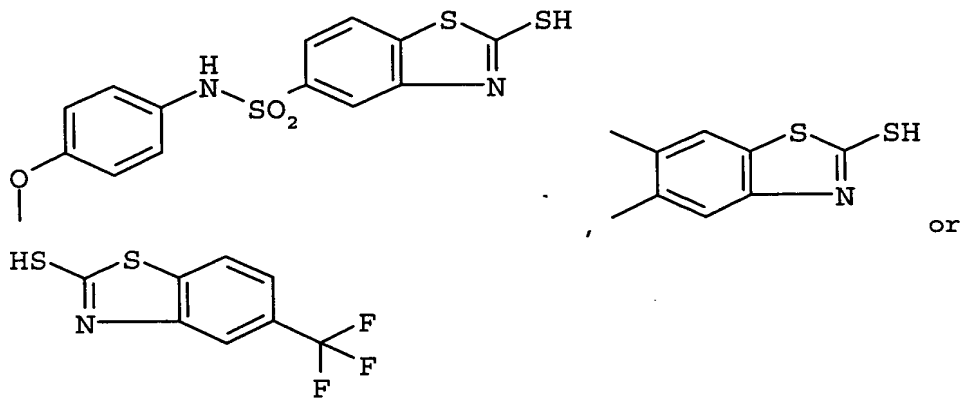
- 5 4. Substantially light-insensitive black and white monosheet thermographic recording material according to claim 1, wherein at least one of said optionally substituted aryl groups is substituted with a group selected from the group consisting of halogen atoms, groups containing a 2-mercapto-benzothiazole moiety and alkyl, alkoxy, mercapto and hydroxy groups.

- 10 5. Substantially light-insensitive black and white monosheet thermographic recording material according to claim 1, wherein said at least one stabilizer is

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- 20 6. Substantially light-insensitive black and white monosheet thermographic recording material according to claim 1, wherein said at least one stabilizer is



- 25 7. Substantially light-insensitive black and white monosheet thermographic recording material according to claim 1, wherein said thermosensitive element further comprises an optionally substituted benzotriazole.